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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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EXAMINER

JACKSON, BLANE J

ART UNIT

PAPER NUMBER

2618

DATE MAILED: 06/05/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/787,502

Applicant(s)

SAITOU ET AL.

Examiner

Blane J. Jackson

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 25 February 2004.
- 2a) ☐ This action is FINAL. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-15 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-15 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 25 February 2004 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|---|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Specification

The title of the invention is not descriptive. A new title is required that is clearly indicative of the invention to which the claims are directed.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in a patent granted on an application for patent by another filed in the United States before the invention thereof by the applicant for patent, or on an international application by another who has fulfilled the requirements of paragraphs (1), (2), and (4) of section 371(c) of this title before the invention thereof by the applicant for patent.

The changes made to 35 U.S.C. 102(e) by the American Inventors Protection Act of 1999 (AIPA) and the Intellectual Property and High Technology Technical Amendments Act of 2002 do not apply when the reference is a U.S. patent resulting directly or indirectly from an international application filed before November 29, 2000. Therefore, the prior art date of the reference is determined under 35 U.S.C. 102(e) prior to the amendment by the AIPA (pre-AIPA 35 U.S.C. 102(e)).

Claims 1, 3-8, 11-14 are rejected under 35 U.S.C. 102(e) as being anticipated by Sawada et al. (US 6,810,274).

As to claims 1 and 13, Sawada teaches a mobile wireless communication device comprising an adapter for mounting an optionally-additional functional component onto a mobile wireless communication device comprising:

A joint portion connectable to the mobile wireless communication device so that the adapter is attached through the joint portion to the mobile wireless communication device in a removable manner (figures 5-8, column 4, lines 20-26, portable telephone unit (21) and detachable battery pack (22), an adapter for removable memory (3)), and

A component holding portion adapted to hold the optionally-additional functional component on the component holding portion (figure 6, column 4, lines 33-60, battery pack (22) comprises a slot for the memory (3) as well as additional CPU (41) and supporting elements for music download and playback. Note the battery pack (22) is consider an adapter for housing the additional functional elements as well as including the necessary battery (28) to power the telephone and battery pack devices).

As to claims 3 and 10 with respect to claim 1, Sawada teaches an adapter wherein the optionally-additional functional component includes an electric component to be electrically connected to the mobile wireless communication device (figure 8, column 4, line 61 to column 5, line 19, connector (39) provides control signals, audio data and electric power between the telephone and battery pack).

As to claim 4, Sawanda teaches an adapter according to claim 1 wherein the optionally-additional functional component is fixed to the component holding portion

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(figure 8 as opposed to figure 4, column 4, lines 46-60, battery pack (22) or adapter includes a CPU, ROM, RAM, DSP and an audio device (38) that is fixed in the battery pack structure, the semiconductor memory (3), also an optionally-additional function, is removable).

As to claim 5, Sawanda teaches an adapter according to claim 1 wherein the optionally-additional functional component is connectable to the adapter so that the optionally-additional functional component is held on the component holding portion in a removable manner (figure 6, removable memory (3)).

As to claim 6, Sawanda teaches an adapter according to claim 1 wherein the optionally-additional functional component includes at least one of an electronic memory device, a tuner electric circuit, a wireless communication electric circuit, an antenna, a camera and a loudspeaker (figure 8, semiconductor memory (3)).

As to claims 7 and 11 with respect to claims 1 and 10, Sawanda teaches a battery for electrically energizing the mobile wireless communication device is mountable on the mobile wireless communication device and at least a part of the *battery is mountable between the adapter and the mobile wireless communication device* as seen in a view direction perpendicular to a stacking direction in which the adapter and the mobile wireless communication device are stacked (figure 7 shows the secondary battery (28) is positioned in front of the lower end of the pack (22) to be

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mountable to the telephone but between the telephone and functional components, clearly the memory (3)).

As to claims 8 and 12 with respect to claims 1 and 10, Sawada teaches a battery for electrically energizing the mobile wireless communication device is mountable on the mobile wireless communication device and at least a part of the *battery is mountable between the functional component and the mobile wireless communication device* as seen in a view direction perpendicular to a stacking direction in which the adapter and the mobile wireless communication device are stacked (figure 7 shows the secondary battery (28) is positioned in front of the lower end of the pack (22) to be mountable to the telephone but between the telephone and functional components, clearly the memory (3)).

As to claim 14, Sawada teaches a mobile wireless communication device on which an adapter including an adapter joint portion connectable to the mobile wireless communication device and a component holding portion adapted to hold a optionally-additional functional component on the component holding portion is mountable comprising;

A device joint portion connectable to the adapter joint portion so that the adapter is attached through the adapter and device joint portions to the mobile wireless communication device in a removable manner (figures 5-8, column 4, line 20 to column 5, line 19, battery pack (22) is physically detached from the portable telephone unit (21)

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and contains a battery (28), detachable memory (3) and digital audio device elements (38) where a connector (39) electrically connects the battery pack (22) functional elements with the portable telephone unit (21)).

Claim 15 is rejected under 35 U.S.C. 102(e) as being anticipated by Crawford et al. (US 6,999,797).

As to claim 15, Crawford teaches a method for selectively mounting onto a mobile wireless communication device an adapter being connectable to the mobile wireless communication device so that the adapter is attached to the mobile wireless communication device in a removable manner and including a component holding portion adapted to hold a optionally-additional functional component on the component holding portion (figures 3 and 6, column 2, lines 18-43) comprising the steps of:

Preparing a plurality of adapters,

Selecting one of the adapters, and

Mounting the selected one of the adapters onto the mobile wireless communication device (figure 1, column 2, lines 44 to column 3, line 30, a detachable handle grip for a mobile terminal where an individual handle grip may include a battery, aside area network radio, a LAN radio, a PAN radio, a barcode reading module, RFID tag reader, a modem or GPS).

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claim 2 is rejected under 35 U.S.C. 103(a) as being unpatentable over Sawada et al. (US 6,810,274) in view of Crawford et al. (US 6,999,797).

As to claim 2 with respect to claim 1, Sawada teaches a detachable battery pack with optional-functional elements for a wireless telephone apparatus, figure 6, but does not teach wherein the optionally-additional functional component includes at least one of a suction cup, a grip, a photograph holder and a game box.

Crawford teaches a handle grip (50) that is detachable to the bottom side of a mobile telephone where the grip may include a battery, and WAN radio, a LAN radio, a barcode reading module, RFID tag reader, a modem, GPS and telephone module, figures 1-5, column 2, line 18 to column 3, line 30.

It would have been obvious to one of ordinary skill in the art at the time of the invention to modify the battery pack of Sawada for the battery and grip of Crawford to provide the mobile terminal user with a detachable means to grip the terminal in a second orientation.

Claim 9 is rejected under 35 U.S.C. 103(a) as being unpatentable over Sawada et al. (US 6,810,274) in view of Oh (US 2001/0029192).

As to claim 9 with respect to claim 1, Sawanda teaches a component holding portion adapted to hold audio playback elements in such a manner that the equipment is mounted in the adapter next to the mobile wireless communication device as seen in a view direction perpendicular to a stacking direction in which the adapter and the mobile wireless communication device are stacked, figures 7 and 8, but does not teach the option function component is mountable between the adapter and the mobile device.

Oh teaches a cellular phone comprising a battery (20) with insertion space to detachably accept an MPS recorder/audio player (30) such that the player is mounted between the adapter or battery and the phone when the battery assembly is attached to the back of the phone, figure 1, paragraphs 0023-0031. Oh further teaches the battery (20) supplies power to the telephone and the player and the phone main body has function keys and a visual display device for controlling the operation of the player.

It would have been obvious to one of ordinary skill in the art at the time of the invention to alternatively package the player and battery pack/adapter of Sawanda in the arrangement of Oh so the phone/ MP3 player is convenient for a user to carry since it is compact.

Conclusion

The prior art made of record and not relied upon but considered pertinent to applicant's disclosure includes: Liu (US 2003/0153356), Maekawa (US 5,487,099),

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Delacourte (US 6,738,648), Luu (US 6,766,952), Kojola et al. (US 7,039,437), Makino (US 2005/0107117) and Schaeffer et al. (US 6,731,952).

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Blane J. Jackson whose telephone number is (571) 272-7890. The examiner can normally be reached on Monday through Friday, 9:00 AM-6:30 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Edward Urban can be reached on (571) 272-7899. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

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